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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
09/584,881 06/01/2000		Nesbitt W. Hagood IV	10722-005001	4595	
7590 02/21/2002 PHYLLIS K. KRISTAL			EXAMINER		
FISH & RICHARDSON P.C. 225 Franklin Street			DOUGHERTY, THOMAS M		
Boston, MA 02			ART UNIT	PAPER NUMBER	
			2834		

Please find below and/or attached an Office communication concerning this application or proceeding.

09/584,881 HAGOOD ET AL.									
## Examiner	. ,	4	Application No.		Applicant(s)				
Examiner   Carolina   Thomas M. Doughesty   2934   Thomas M. Doughesty   2934			09/584,881		HAGOOD ET AL.				
Period for Reply  A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.  Educations of time may be available used the provision of 3 of PR 1.796(s). In an event, however, may a reply be timely filled of the COMMUNICATION.  1 to 10 Month of the provision of the provision of 3 of PR 1.796(s). In an event, however, may a reply be timely filled of the COMMUNICATION.  1 to 10 month of the provision of the provision of 3 of PR 1.796(s). In an event, however, may a reply be timely filled of the COMMUNICATION.  1 to 0 month of the provision of the provision of 3 of PR 1.796(s). See a vent to the provision of the provision of the communication of the provision of the provision of the communication.  1 to 0 months of the provision of the provision of the communication.  2 to 10 months of the provision of the communication.  2 to 10 months of the provision of the communication.  3 months application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.  3 months application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.  3 months application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.  3 months application is a formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.  4 months of Claim(s) 1-53 is/are pending in the application.  4 months of Claim(s) 1-53 is/are ending in the application of the provision and for election requirement.  4 months of the provision of the provision and for election requirement.  4 months of the provision of the provision and for election requirement.  4 months of the provi	Office Action Summary		Examiner		Art Unit				
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THE MAILING DATE OF THIS COMMUNICATION.  Eatheriose of them reply to seculate under the provisions of 37 CFR 1.798(a). In no event, however, may a reply be timely filled after SX (8) MONTES from the making date and the provision of 37 CFR 1.798(a). In no event, however, may a reply be timely filled after SX (8) MONTES from the making date of this communication.  If No period for reply is specified above, the maximum statutory profit of largely and will engine SX (8) MONTES from the making date of this communication.  Fallules to reply validate them deplements are stated profit or reply validate and provisional to be provided by the sea or extended part of the communication.  Fallules to reply validate them deplements. See 37 CFR 1.704(b).  Status  1)∑ Responsive to communication(s) filled on 01 June 2000.  3)☐ This action is FINAL.  2D)∑ This action is non-final.  3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Queyle, 1935 C.D. 11, 453 O.G. 213.  Disposition of Claims  4)∑ Claim(s)		TUTODY DERIOD FOR REPL	Y IS SET TO EXE	IRE 3 MONTH	(S) FROM				
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I NO period for rapyly is specified above, he maximum attention by plantable values in application to become ABANDONED (29 U.S.C. § 133). Prefailtors to prophyshibly the Official bart than three mentiling date of this communication, even if timely filed, may reduce any seamed patent term adjustment. See 37 CFR 1.704(b).  Status  1)  Responsive to communication(s) filed on Of June 2000.  2a)  This action is FINAL. 2b) This action is non-final.  3)  Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.  Disposition of Claims  4)  Claim(s)	after SIX (6) MONTHS from	- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be under the provisions of 37 CFR 1.136(a).							
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## **DETAILED ACTION**

## Claim Rejections - 35 USC § 112

The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

Claims 1-53 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention. The claims do not provide enough information such that a routineer in the art could employ the method based on the language in the claim. Description of some circuitry is necessary. As it is, structural description is only in the broadest terms, terms too insufficient to achieve the claimed functionality. In claims where the disturbance frequency is required, for example, claim 4, there is no methodology to learn just how this is achieved. In other claims it is not clear how the storage element is connected to other components of the circuit. Additionally the switches are under-defined. Where in the figures are the second terminals of the switches connected to the second terminal of the transducer? Also, the mosfets in the figures are three terminal devices, while the claims (e.g. claims 5 and 13) indicate that they are two terminal devices. Thus a routineer in the art is not provided with enough information to make the device based on the claim language. The connections of the rectifier circuit are likewise indefinite. Their "first and second input terminal[s] being connected across first and second terminals of the transducer" as claim 6 and other claims indicate, describes a structure in parallel to the transducer, but such a configuration is not shown in any figure. Again, in claim 6, et al., the storage element is Application/Control Number: 09/584,881

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merely listed. How it is connected to other components is not known. Claims which cite goals for extracting power, for example cl. 7, do not provide enough coherent structure such that it is clear how the power extraction is to occur. Components are defined in terms of goals of the invention but with such sparse structural description that a routineer in the art could not achieve these goals were he to attempt to build the system based on such a description.

## Conclusion

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. The prior art cited is intended to show the state of the art.

The Applicants' claims are so indefinite that art cannot be effectively applied against them at this time. When they are made definite a consideration of their relationship to the prior art may be made.

Direct inquiry concerning this action to Examiner Dougherty at (703) 308-

1628.

February 15, 2002

THOMAS M. DOUGHERTY PRIMARY EXAMINER

GROUP 2100

2600